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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q83325

Yoshiyuki OGUCHI et al

Appln. No.: 10/508,859

Group Art Unit: 2871

Confirmation No.: 8700

Examiner: Not Yet Assigned

Filed: September 24, 2004

For: METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY DEVICE,  
SUBSTRATE FOR LIQUID CRYSTAL DISPLAY DEVICE, METHOD FOR  
MANUFACTURING SUBSTRATE FOR LIQUID CRYSTAL DISPLAY DEVICE, AND  
SPACER PARTICLE DISPERSION

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed no later than three months from the application's filing date and before the mailing date of the first Office Action on the merits and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 10/508,859

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 2001-188235 is cited in both the Partial International Search Report and the International Search Report, and a corresponding English language abstract thereof is also enclosed herewith.

Also in compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 11-281985 and JP 2000-137233 are cited in the Partial International Search Report, and corresponding English language abstracts thereof are also enclosed herewith.

Further in compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 2001-051280, JP 9-043612, JP 11-024083, JP 7-300587, and JP 10-226512 are cited in the International Search Report, and corresponding English language abstracts thereof are also enclosed herewith.

Still further in compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 4-198919, JP 6-258647, JP 10-339878, JP 57-058124, JP 6-347637, and JP 2000-347191 are discussed on pages 2-6 of the specification, and corresponding English language abstracts thereof are also enclosed herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

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waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

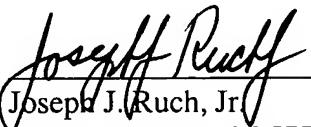
Respectfully submitted,

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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

  
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Date: December 21, 2004

Substitute for Form 1449 A & B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known	
				Application Number 10/508,859 Confirmation Number 8700 Filing Date September 24, 2004 First Named Inventor Yoshiyuki OGUCHI et al Art Unit 2871 Examiner Name Not Yet Assigned Attorney Docket Number Q83325	
Sheet	1	of	1		

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
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		US			
		US			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2001-188235		07-10-2001	SEIKO EPSON CORP	Abstract
		JP	11-281985		10-15-1999	ASAHI GLASS CO. LTD.	Abstract
		JP	2000-137233		05-16-2000	SEKISUI CHEM. CO. LTD.	Abstract
		JP	2001-051280		02-23-2001	UBE NITTO KASEI CO. LTD.	Abstract
		JP	9-043612		02-14-1997	HITACHI LTD.	Abstract
		JP	11-024083		01-29-1999	ASAHI GLASS CO. LTD.	Abstract
		JP	7-300587		11-14-1995	NATOKO PAINT KK	Abstract
		JP	10-226512		08-25-1998	UBE NITTO KASEI CO. LTD.	Abstract
		JP	4-198919		07-20-1992	MATSUSHITA ELECTRIC IND. CO. LTD.	Abstract
		JP	6-258647		09-16-1994	HITACHI LTD. et al	Abstract
		JP	10-339878		12-22-1998	SEKISUI FINECHEM CO. LTD.	Abstract
		JP	57-058124		04-07-1982	HITACHI LTD.	Abstract
		JP	6-347637		12-22-1994	DAINIPPON INK. & CHEM. INC.	Abstract
		JP	2000-347191		12-15-2000	NIPPON SHOKUBAI CO. LTD.	Abstract

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.